

**Department of Public Works and Transportation
Montgomery County, Maryland**

DIVISION OF SOLID WASTE SERVICES



The phone book hop was one of the games played at the Recycling Survivor Olympics.

***MONTHLY REPORT
APRIL 2001***



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OVERVIEW

Tonnage at a Glance

The following table shows key material flows during the current month, fiscal year to date (FY Total), and current calendar month in the two prior fiscal years. (County fiscal year 2001 began July 1, 2000.)

FACILITY	Apr FY 01	FY 01 Total	Apr FY 00	Apr FY 99
Materials Recovery Facility ⁽¹⁾	6,304 tons	65,103 tons	5,234 tons	5,032 tons
Brunswick Landfill Facility ⁽⁴⁾	14,646 tons	123,747 tons	11,643 tons	14,534 tons
American Ash Recycling ⁽²⁾	1,775 tons	27,820 tons	3,113 tons	N/A
Resource Recovery Facility ⁽³⁾	39,520 tons	425,133 tons	40,878 tons	37,696 tons
Yard Trim Compost Facility	6,648 tons	48,815 tons	4,291 tons	4,806 tons

⁽¹⁾For FY01 and FY00, MRF tons reported are outgoing. For previous years, incoming was reported.

⁽²⁾Tons shipped out to ash recycling facility during the indicated period. All tons so shipped are recycled.

⁽³⁾RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here. For FY01 these tonnages are preliminary, with adjustments made in the December and June monthly reports.

⁽⁴⁾This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled at Clean Rock or other locations.

Revenue Analysis and Systems Evaluation – During April, program staff:

- Continued to provide support to the budget process, and answered Council staff questions relating to rate calculations.
- Provided internal review of monthly tonnage numbers.
- Completed compiling data from six-month hauler reports, and completed field audits of hauler reports.
- Received independent review of the Rate Model and Fiscal Health Spreadsheets.
- Received Status of Facilities report from Consulting Engineer.
- Handled routine level of solid waste billing inquiries.
- Continued work on new hauler billing system: work group concluded DSWS IT staff should develop our own system, in lieu of buying an off-the-shelf system, worked extensively to define data field needs, met with e-Montgomery to solidify its support.
- Updated regional tipping fee survey.
- Continued variable rate analyses and held Task Force meeting.
- Continued updating/correcting property billing database.

- Placed 460 new residential properties in the correct billing categories (in the tax database) and sent notification to the County contract haulers.
- Processed 21 "snowbird" refunds.
- Supported workgroup re-evaluating services and rates for multi-family sector.
- Worked with State Department of Assessments and Taxation and County Finance to ready database for third quarter billing.

CITIZEN COMMITTEES

Facilities Implementation Group – The next scheduled FIG meeting is 7:30 p.m., May 15, 2001 at the Gothic Barn. Staff will discuss quantifying the remaining County obligations under the Master Plan and the FY02 budget. SHA will discuss traffic monitoring at the facilities.

Sugarloaf Citizens Association – The County is working with SCA & FIG to quantify the remaining obligations under the Master Plan and the SCA Agreement.

Solid Waste Advisory Committee – Met Tuesday, April 3, 2001, at the EOB, 6th Floor Conference Room. Thirteen SWAC members, seven County staff and two guests were in attendance. DSWS staff gave presentations to the Committee on Recycling Outreach and Education for the Residential Sector and the Master Recycler/Composter Volunteer Program.

COLLECTIONS

Refuse – Refuse collection went as scheduled with no disruptions in service. Work is progressing to add approximately 1,000 homes located in the Stonegate Community to the County Refuse Collection Program by July 2001.

Recycling – Mixed paper tonnage for the residential program during the four week period of March 19, 2001 through April 13, 2001 was 9.87 lbs. per household.

Contractor Performance – Eight complaints were not resolved by the contractors in April; all were corrected by the County. During April, DSWS received 611 complaints; this represents a 55.5 % increase from April 2000, which had 393 complaints.

Enforcement Actions – Thirteen citations were issued for violations of the County's Solid Waste Laws:

Nine citations	Not having a valid collectors tag attached to the vehicle	\$4,500
Two citations	Not having a suitable tight fitting cover	\$1,000
Two citations	Collecting solid waste before 7 a.m.	\$1,000

Thirty-five NOV's issued:

Twenty-three NOV's	Not having a tight fitting cover
Six NOV's	Dumping or leaving solid waste on public or private property
Three NOV's	Improperly stored and/or permitted solid waste to accumulate
Two NOV's	Not having a current collectors tag attached to vehicle
One NOV	Leaving a vehicle running and unattended

Customer Service – DSWS received 7,069 incoming calls with 115 follow-up calls as a quality control check. There were 1,090 blue bins delivered and 216 e-mail requests handled by the Customer Service Staff.

Volunteer Activities – Volunteers participated in:

- Two HHW collections (Shady Grove and Germantown UpCounty Government Services Center)
- Six fairs and festivals
- Two Arbor Day events

WASTE MINIMIZATION

Latex Paint Management – Home-management of latex paint is the newest thrust for waste reduction. Using some simple techniques and waste paint hardener, residents are encouraged to use it up, pass it on or dry it up.

Bicycle Recycling – Pedals for Progress is very interested in salvaging bikes dropped off at the scrap metal program at the Transfer Station. Once logistics and prices are negotiated, these bikes will have a new life elsewhere in the world.

Computer Recycling Program – Approximately 17 tons of computers were recycled in April. A pilot electronic equipment recycling event is being planned for June.

Department of Environmental Protection's Home Composting and Source Reduction Activities – Expanded advertising in the Gazette and Journal Newspapers throughout the month with an emphasis on lawn and garden care, especially grasscycling. New information kits addressing grasscycling, composting, lawn reduction, and Integrated Pest Management are being mailed to residents responding to ads. All callers are told about the information available on-line from the askDEP.com website, and approximately 50% indicate that they will download that information for themselves, reducing waste paper and associated production and mailing costs.

The Green Man column is ongoing in the Gazette and also generates significant calls and e-mails requesting fact sheets and related information.

The Earth Day on-line outreach campaign attracted 1,898 visitors during the month and generated approximately 60 requests for hardcopy Earth Day Action Kits.

HAZARDOUS WASTE PROGRAMS

Household Hazardous Waste Collection – Two HHW events were held in April (Transfer Station and the Upcounty Government Services Center in Germantown); 375 patrons and 235 patrons participated at the two events, respectively. The event at the Transfer Station was the first event with less than 500 participants at this location in three years.

Small Quantity Generator (Ecowise) Program – One Ecowise event was held in April; eleven companies attended.

AIR PERMITS AND ENVIRONMENTAL PROGRAMS

Resource Recovery Facility (RRF): CEM Tracking of RRF Operations – Continuous Emissions Monitoring System (CEMS) indicated that units 1 and 2 were operating continuously throughout the month. There were no equipment malfunctions that affected unit operations or stack emissions.

The annual emissions certification report for the year 2000 was submitted to MDE on April 1, 2001.

Maintenance activities were conducted from March 28 through April 13 on the ID/reverse air fan of unit 3, which has been off-line since March 11. Maintenance activities included sandblasting and other testing activities. During the maintenance activities, reasonable measures were employed to minimize the generation and discharge of particulates through the stack. These measures included vacuum cleaning of the duct work components and mechanically minimizing the draft through the boiler system. Although this unit was off-line, some of the sandblast particulate dust was captured in the natural draft of the unit and discharged through the stack; elevated opacity levels were observed on the CEMS on April 2 and April 5. Because the unit was off-line, the elevated opacity levels do not constitute opacity exceedances of the RRF Air Permit.

The set of 10 CEMS CD-ROM's was updated to include CEM data through March 31, 2001. Copies of the CD-ROM's were placed in the Rockville and Poolesville libraries and distributed to DSWS staff, SWAC and FIG.

DSWS has not received the RRF Title V draft Air Permit from MDE.

Oaks Landfill Energy Recovery Facility: Leachate Evaporation Technology – After 40 days of downtime for maintenance, the Leachate Thermal Treatment System

(LTTS) started operating on April 19 at 2:10 p.m. and has been operating continuously, evaporating on average, eight gallons of leachate per minute.

Bentech is still continuing negotiations with electric companies for implementing an electricity-generating project. DSWS is planning to schedule a meeting with Bentech the second week of May to discuss the status of the project.

Yard Trim Composting Facility: Consent Agreement – MES informed the County that there was an exceedance of BOD5 Discharge Permit limit in pond 2 during the sampling event on April 11. MES will communicate this information to MDE. Under the Consent Agreement, the facility is to comply with the Discharge Permit limits from June 1, 2000.

FIG Air Quality Subcommittee – After ENSR was authorized to resume the epidemiological study, the contractor started preparing a modified scope of work. The document is expected by the end of May for review.

In response to questions raised at the FIG meeting, ENSR submitted a document that outlines the differences between the 1989 RRF Health Risk Study conducted by Weston and the currently ongoing update of that study. ENSR is also in the process of preparing a detailed scope of work for the update. DSWS reviewed and conveyed comments on the draft scope of work submitted by ENSR for conducting the RRF non-air media monitoring in fall of 2001. Discussions are still ongoing with ENSR for the site selection process. DSWS and ENSR will visit potential sampling sites in summer.

Contractual Work - ENSR's contract expires in September 2001. The contract will be extended until September 20, 2001.

Three proposals were received in response to the County's RFP for a replacement contractor on the "Oaks Landfill Air Emissions Measurement and Control." The contract with SCS Engineers expires in July 2001. Interviews were conducted on April 27. The selection process is expected to be completed in May.

RAS contract for the maintenance of the RRF meteorological tower is extended until June 2002.

RECYCLING

Public Outreach - 300 people attended the Division's celebration of Earth Day on Saturday, April 21, 2001. The exhibits on waste reduction, recycling, reuse, composting, household hazardous waste, buying recycled products, hands-on activities such as craft making from recyclable materials, and recycling games were very popular.

Earth Day/Month Activities: Staff is involved in many activities and events in the community to increase recycling awareness. Commercial, Multi-family and Single-family Recycling Program Staff participated in numerous events around Earth Day, including

events at the National Naval Medical Center, the US Postal Service Training Center, the US Nuclear Regulatory Commission, schools, and condominium properties.

The awareness campaign on recycling continues—its focus is on the fact that everybody's day-to-day recycling efforts really do amount to a lot. The campaign depicts that the materials that people put out in their recycling bins are actually recycled, and come back to us in the form of other useful products. The campaign includes: print, television, radio, and transit advertising.

The RFP for Recycling/Solid Waste Public Outreach and Education is under review.

Commercial Recycling and Waste Reduction – Staff is reviewing and entering data provided by completed annual reports and short recycling forms from businesses.

The second phase of the business recycling media campaign has begun. This part of the campaign focuses on the services and assistance that the SORRT Program can provide.

Staff continued to provide direct service to businesses and organizations through site visits and evaluations.

Staff conducted a series of recycling seminars, providing business owners, managers, employees, property managers and haulers information on business recycling requirements.

Multi-Family Recycling - Staff continued to perform on-site evaluations of recycling programs, and work with property managers and residents to provide assistance and support. Staff continued to assist properties that were not in compliance with the County's regulation.

Annual recycling reports for 2000 are being received and are due on April 30, 2001.

A telephone survey to measure the effectiveness of the TRRAC Program and offerings is being conducted.

Mixed Paper Recycling - Mixed paper is a major subject included in the new multi-media advertising campaign. Staff continues monitoring the amount of mixed paper recycled in each area, to troubleshoot and provide additional education to low performance areas. Several initiatives are underway to serve under-performing areas, including developing and distributing additional educational materials in English as well as other languages, having community events where staff can provide additional recycling outreach and educational materials, etc.

PILOT PROGRAMS

Mixed Paper Pilot – DSWS received quotes for the purchase of 900 toters and will grant an award within days.

Tubgrinding Pilot – Tubgrinding of screened reject material began on August 22, 2000 and ended at the end of September 2000 with 5,205 yards of material being processed. In March, 5,529 yards of material was processed. SCA Settlement Agreement states that pilot agreements must not exceed one year in duration; the County is working with SCA for a new pilot agreement.

Ash Recycling Pilot – Ash recycling continued until April 25, 2001, when AARPA representatives requested a stoppage of ash deliveries to their York, PA facility. They were experiencing an unusual amount of material from the York, PA waste combustor that required special handling. The County complied with their request in accordance with the ash-recycling contract. Deliveries are expected to be restored in early May.

FACILITY ACTIVITIES

Resource Recovery Facility – The Facility operation consisted of two units at full load for the entire month. The scheduled outage was completed on unit 3 and the unit was placed in stand-by status.

On April 25, a derailment on the CSX main line occurred near Brunswick, Maryland. Rail service for ash containers was disrupted for the rest of the month. In addition, the AARPA, Inc. ash-recycling facility in York, PA halted our ash shipment to them on the same day, and the rest of the month, because of operational changes at their facility. As a result of these two disturbances, schedules of ash load-out employees were re-arranged, all reserve containers were utilized, and unit 3 was not returned to service in April as anticipated. Proper management of the ash pit required a two-unit operation until ash shipments could be restored to the proper volume; that is anticipated in early May.

There were no minimum or maximum utility generation alerts.

There were no reportable air or water quality environmental excursions in the month.

The following reports were submitted:

- March Water Supply Report to MDE.
- NPDES permit renewal application.
- First Quarter 2001 Operations and Emissions report to MDE.
- First Quarter 2001 NPDES report to the Authority and MDE.
- Final report to MDE on elevated opacity readings when unit 3 was off-line.
- CEMS trend data for February to MDE per their request.
- Met with MDE regarding sewage sludge annual report.
- Notified and submitted reports to MDE regarding an oil spill that occurred on April 20, 2001.
- Updated County CD-ROM's emission data.

Approximately 100 people toured the Facility, including representatives from the New Market Lions Club, Montgomery College students, Military Science & Engineering, a

Chinese delegation, residents from Mount Airy, members of Leadership Montgomery, and County DEP staff.

Contract negotiations with Mirant and PEPCO continued. The new Electricity Sales Agreement, the Facility Site Agreement, and two Interconnection Agreements are being finalized.

Materials Recovery Facility - Approximately 1,443 tons of commingled material were shipped out after processing, and approximately 4,861 tons of mixed paper were loaded out and transferred to the Office Paper Systems processing facility.

The contractor continued with the construction of the building expansion.

New floor tile was installed in the scale house.

Several new speed bumps were installed between the scale house and the MRF to slow traffic.

Additional work was done to update the information center.

Oaks Landfill - Cherry Hill Construction, the contractor for the Phase I closure construction, did not work in April because the wet weather was not suitable for completion of the remaining items. A couple weeks of finishing work including final grading and compaction of perimeter roads and final grading and seeding of topsoil in the last construction area are scheduled to be performed in May.

DSWS, DEP and the Office of the County Attorney are preparing additions to the Post-Closure Care Plan for the 30-Year post-closure period at the Oaks Landfill in response to comments received from the MDE on the draft plan submitted by DSWS.

The County reviewed the draft Storm Water Pollution Prevention Plan for the Oaks Landfill prepared by URS.

Methane gas was detected in some of the gas monitoring wells, most likely as a result of the primary flare being down for prolonged maintenance. DEP resumed weekly monitoring of the affected gas wells to monitor the situation.

Gude Landfill – Live stakes were planted in two areas where stream stabilization and erosion repairs were completed and are doing extremely well. Other repairs at the Gude Landfill to address ponded areas at the top of the site are being planned.

The County reviewed the draft Storm Water Pollution Prevention Plan for the Gude Landfill prepared by URS.

Beantown Dump – DEP's contractor started design work for the venting of the gases in the vicinity of the former dump area.

Transfer Station - Covanta shipped via rail 41,398 tons of processible waste from the Transfer Station to the RRF, 77 more tons than shipped in April 2000.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

Covanta repaired the roll-up door in the tunnel area, painted portions of the tunnel and worked on upgrading their offices.

Site 2 Landfill Properties – The second phase of work for the Chiswell farm is ongoing. Meetings were held at the site with representatives from several contractors and special trades. A scope and price for cleanup work was agreed to and work will begin in early May.

A meeting was scheduled with several County staff to discuss the procedures for leasing the Draper property after the current lease expires in November. A draft approach was agreed to and will be finalized in May.

Solid Waste Facilities Master Plan – Staff is working with FIG and SCA to quantify the remaining obligations in the Plan and other documents.

Yard Trim Compost Facility – The Dickerson yard facility received 6,648 tons of leaves and brush for composting; 5,836 yards of Leafgro were sold in bulk.

Bagging Operation – In April, no bags of leafgro were produced at the facility and 57,771 bags were shipped to distributors.

Linden Farm Renovations – Under the signed bagging agreement, the County is to renovate the Feed Barn and Bank Barn by June 2001. A contract with Dean Fitzgerald is expected to be signed to start the renovation work.

Out-of-County Haul

Brunswick County, Virginia – Approximately 9,227 tons of ash residue and 5,420 tons of nonprocessable waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, Virginia; approximately 1,695 tons of rubble was recycled at Clean Rock. Additional trucking resources were brought in to help manage the large volume of rubble received in April.

York, Pennsylvania – In April, 1,775 tons of ash residue (back hauled by rail from the RRF) were shipped from the Transfer Station to American Ash Recycling in York, Pennsylvania to be recycled into aggregate. AAR had to curtail its operations for Montgomery County due to capacity limitations and demand from other clients. Ash shipments to AAR were stopped for several weeks.

GENERAL INFORMATION

Important Telephone Numbers

General information on solid waste	240-777-6400
Customer Service	240-777-6410
Transfer Station	301-840-2370
Materials Recovery Facility	301-417-1447 (MES)
Resource Recovery Facility	240-777-6439 (County Office) 301-916-3031 (Covanta)
Yard Trim Compost Facility	301-428-8185
Internet for DSWS	www.MCRecycles.org

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

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SOLID WASTE FACTS IN A NUTSHELL

<i>TOPIC OR FACILITY</i>	
Current Recycling Rate in Montgomery County	36.5%
Recycling Goal	50%
New Recycling Programs Scheduled for FY 01	Residential Mixed Paper Collection is now available countywide
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 tpd on an annual basis (558,450 tons/yr).
Yard Trim Composting Facility (DCF)	Operations Limited to Receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY00 tons received- 58,602
# Residences receiving trash collection by County contractors	83,521
# Residences receiving collection of recyclables in blue bins and yard waste collection	198,422
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
BFI	Browning Ferris Industries
CDL	Commercial Driver's License
CEMS	Continuous Emissions Monitoring System
CIP	Capital Improvements Program
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
HCFA	Health Care Financing Administration
HHW	Household Hazardous Waste
IFB	Invitation For Bid
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
mg/l	milligrams per liter
M-NCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MWh	Mega Watt hours
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
RFP	Request for Proposal
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SORRT	Smart Organizations Reduce and Recycle Tons
SWAC	Solid Waste Advisory Committee
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
T.R.R.A.C.	Think Reduce and Recycle at Apartments and Condominiums
UT	Ultra-sonic Testing
WM	Waste Management
YTCF	Yard Trim Composting Facility